

## PROTECTION METHOD FOR EMBEDDED SOFTWARE

### ABSTRACT OF THE DISCLOSURE

A method for protecting embedded software is proposed which uses a transfer  
5 function of the firmware in an electronic information appliance to prevent the execution  
of the embedded software in an unauthorized hardware. Before parameters are called  
upon, the main program of the embedded software stores the parameters in a buffer.  
And through the transfer function, the parameters in the buffer are then shifted  
according to a different sequence to another storage interface. As the auxiliary  
10 program is subsequently called upon, it does not carry any parameters, since the  
parameters are stored in another storage interface. So, the parameters need to be  
extracted from a default parameter address and decoded. Correct parameter data is  
required to effect a normal execution of the selected function of the software. If the  
extracted parameter data is erroneous, execution of embedded software in the  
15 unauthorized hardware is disabled.